

SNX2 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15119**Specification**

SNX2 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O60749
Other Accession	NM_003100 , NP_003091
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58kDa kDa

SNX2 antibody - C-terminal region - Additional Information**Gene ID** 6643**Alias Symbol** **MGC5204, TRG-9**
Other Names
Sorting nexin-2, Transformation-related gene 9 protein, TRG-9, SNX2**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SNX2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SNX2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SNX2 antibody - C-terminal region - Protein Information**Name** SNX2**Function**

Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) or phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (PubMed: <http://www.uniprot.org/citations/16179610> target="_blank">16179610). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex (PubMed: <http://www.uniprot.org/citations/17101778> target="_blank">17101778). The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma

membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier (ETC) (Probable). Can sense membrane curvature and has in vitro vesicle-to-membrane remodeling activity (PubMed:23085988). Required for retrograde endosome-to-TGN transport of TGN38 (PubMed:20138391). Promotes KALRN- and RHOG-dependent but retromer-independent membrane remodeling such as lamellipodium formation; the function is dependent on GEF activity of KALRN (PubMed:20604901).

Cellular Location

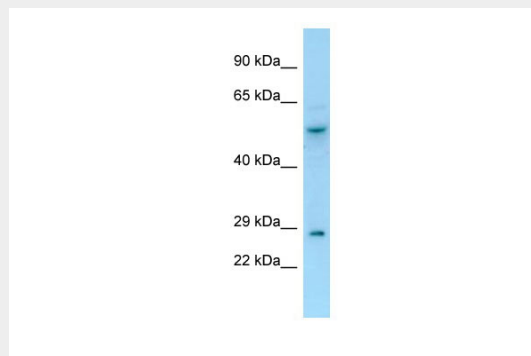
Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium Note=Colocalized with SORT1 to tubular endosomal membrane structures called endosome-to-TGN transport carriers (ETCs) which are budding from early endosome vacuoles just before maturing into late endosome vacuoles (PubMed:18088323). Colocalized with F-actin at the leading edge of lamellipodia in cells in a KALRN-dependent manner (PubMed:20604901).

SNX2 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SNX2 antibody - C-terminal region - Images



WB Suggested Anti-SNX2 Antibody Titration: 1.0 µg/ml
Positive Control: Hela Whole Cell

SNX2 antibody - C-terminal region - References

Kurten R.C.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
Haft C.R.,et al.Mol. Cell. Biol. 18:7278-7287(1998).
Kim J.W.,et al.Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).